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JPRS-1915-N

EEur - Hungary
Econ - Manufacturing
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(NY-2873).

Developments and Problems of the East German
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E. Franke, 16 pp.

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JPRS-1915-N

EEur - Germany
Econ - Manufacturing
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Conditions of Production Conditions and Labor Conditions
of Cooperation, by K. Weiss, (Wk Econ Rpt on KBR,
202).

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CIA/FED Sum 2134

KBR - Germany
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CIA/FIN Sum 2127

EUR - Germany
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Power -- Lifeblood of the Economy, by H. Mueller.

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FID Sum 2319

Ekur - East Germany
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Changes in Agricultural Machine and Tractor
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Jul 1959, pp 193-195.

FID Sum 2306

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JPRS-1931-H

ESBar - East Germany
Econ - Manufacturing, Tractors
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Successes and Tasks of Machine Builders, by F.
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JPRS 2530

HEur - Germany
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(NY-3583).

"Karl Marx" Measuring Equipment and Armature
Plant, by E. Pape, 2 pp.

GERMAN, per, Der Maschinenbau, Vol VIII, No 10,
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JPRS 2530

EEur - Germany
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Goerlitzer Machine Building Plant, by Georg
Noack, 2 pp.

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EEur. - Germany
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Radio Plant, Leipzig, by G. Kunze, 3 pp.

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JPRS 2530

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3 pp.

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Cause and Effect. Critical Observations on the
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Equipment, by O. Saussner, 10 pp.

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JPRS 2530

HEUR - Germany
Econ
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Work of the Institute of Chemical and Refrigeration
Equipment, by H. Klemich, 5 pp.

GERMAN, per, Der Maschinenbau, Vol VIII, No 12,
Berlin, 1959, pp 352-353.

JPRS 2530

EEur - Germany
Econ
May 60

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SETTE

(NY-3^V38).

Production of VEB Nema Machine Factory,
Netzschkau, by H. Intemann, 1 p.

GERMAN, per, Der Maschinenbau, Vol VIII,
No 12, Berlin, 1959, p 354.

JPRS 2530

EEur - Germany

Econ

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(NY-3848).

Machine Tools to be Exhibited at 1960 Leipzig
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JPRS 5311

EEur - Germany
Econ - Manufacturing
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SETEE

(NY-3848).

Production of Heavy Machinery, by G. Schmidtchen,
5 pp.

GERMAN, per, Der Maschinenbau, Vol IX, No 2, 1960,
pp 51, 52.

JPRS 5311

EEur - Germany
Econ - Manufacturing
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(copy 5702).

Captions on Inside of Back Cover, by Goetze Butters,

GERMAN, per, Der Maschinenbau, Vol IX, No 8, Aug 1960,
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JPRS 7140

Reber - Germany
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(NY-5486)

The Tasks of the Machine-Building Industry in
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J. Leuschner, 5 pp.

GERMAN, per, Der Maschinenbau, Vol IX, No 9, 1960,
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JPRS 7750

EEur - Germany
Econ
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141, 481

(NY-5486)

Examples for Organising the Production Process, by
J. Steiner, 9 pp.

GERMAN, per, Der Maschinenbau, Vol IX, No 9, 1960,
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JPRS 7750

EEur - Germany
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Mar 61

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Machine-Building Industry in East Germany's Economic
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GERMAN, per, Der Maschinenbau, Vol IX, No 10, 1960,
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JPRS 7750

ESur - Germany
Econ
Mar 61

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62-18923

Drees, H. and Jentsche, A.
BORING OF CAST IRON WITH HARD METAL
SPIRAL DRILLS; AN APPROVED NOVEL TECHNIQUE
(Das Gussbohren mit Hart-metall-Spiralbohrern - ein
Erprobtes Neuerungsverfahren). [1962] [14]p. (foreign
text included) 4 refs.
Order from SLA \$1.60

62-18923

Trans. of Maschinenbau (Germany) 1960, v. 9, no. 12,
p. 362-363.

DESCRIPTORS: *Drills, Metals, Hardness, Iron alloys,
Castings, Design, Maintenance, Operation, Drilling
machines.

(Machinery--Manufacturing, TT, v. 9, no. 11)

I. Drees, H.
II. Jentsche, A.

Office of Technical Services

(SF-1855/4)

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Machine Tools, by B. Hopfe, 8 pp.

GERMAN, per, Der Maschinenbau, No 2, 1961, pp 85-86.

JPRS 4856

EBur - E. Germany

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REC-58427

The Pace of Hardening Shops in Relation to the
Development of Industry, by J. Mainka, 12 pp.

GRIMMAN, per, Der Maschinenbau, Vol X, No 3, 1961,
pp 89-93.

JPRS 8430

HSHR - Germany

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Aug 61

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Properties of Directly Hardenable 20 MoCr Steel
as Compared With Conventional Steels, by E.
Stecher, 10 pp.

GERMAN, per, Maschinenbau, Vol X, No 3, 1961,
pp 110-113.

JPRS 8630

ESur - Germany

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Aug 61

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Effects of Relative Harmonic Movements Between
Work-piece and Cutting Tool on the Machined
Surface Produced in Longitudinal Turning, by
W. Bahmann.

GERMAN, per, Maschinenbautechnik, Vol 19, No 4,
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Sci -
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62-12676

Portz, S.
THE PROPERTIES OF THE MATERIAL "CHILL-
CAST GRAY IRON". [1961] 10p.
Order from ATS \$16.75 ATS-36N58G

Trans. of Maschinenbautechnik (Germany) 1961,
v. 10, no. 5, p. 228-232.

DESCRIPTORS: *Cast iron, Processing, Mechanical
properties.

(Metallurgy--Ferrous Metals, TT, v. 7, no. 10)

- I. Portz, S.
- II. ATS-36N58G
- III. Associated Technical
Services, Inc., East
Orange, N. J.

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Turret Lathes With Punched Card Control Device,
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GERMAN, per, Der Maschinenbau, Vol X, No 7,
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Reports From the 1961 Bruno International
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GERMAN, per, Der Maschinenbau, Vol X,
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JPRS 13375

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Report on the 1962 Budapest Industrial Fair, by
Ligeti, 5 pp.

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1962, pp 268-272.

JPRS 15677

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6 pp.

GERMAN, por, Der Maschinenbau, Vol XI, No 8, 1962,
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JPRS 156598

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70-12335-01A <*>

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JPRS 16363

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STATUS AND DEVELOPMENTAL HISTORY OF THE
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W. FUNKE, 15 PP.

GERMAN, PER, DER MASCHINENBAU, VO XI, NO 11,
1962, PP 489-493.

JPRS 17560

EEUR - GERMANY
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FEB 63

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Under Statistical Load, Part 1, by W. Eiler.
GERMAN, per, Maschinenbautechnik, Vol 2, No 2,
1962, pp 590-593.
NASA TT F 13976.

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NEW MAINTENANCE STANDARDS ■ FOR MACHINE TOOLS,
BY HEINZ ZEIDLER, GEORG WILHELM, 19 PP.

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1963, PP 156-160.

JPRS 20274

EEUR-GERMANY

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JULY 63

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Helium Penetration Steel Tubes for Oil Pressure
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ZfP 44, part, Der Maschinenbau, No 10, 1965,
pp 401-406.
•BISI 5542

Sci/Materials
May 67

Most Important Constructional Types and the
Basis for the Calculation of Axial Hydraulic
Piston Pumps and Motors, by H. Heumann.
GERMAN, per, Maschinenbautechnik, Vol. 12, No. 11,
1963, pp 573-578
GB 42/1517

Sci -
Aug 67

335-620

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Grund, 4 pp.

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zig), Vol LXIII, No 22, 25 Nov 1930, pp
427-429.

SLA 57-3220

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Investigation of Run of the C-C Electric
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GERMAN, per, Maschinenbau und Warmwirtschaft,
Vol X# X, 1955, pp 76-85.

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Insdoc, Natl Physical Lab
of India, Hillside Road,
New Delhi 12, Ref T 1936a

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GERMAN, per, Maschinenschaden, No 3-4, 1956,
pp 51-53.

C.E. Trans 5297

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June 70

Bursting of a Steam Turbine Rotor During
the Overspeed Test in Consequence of Snow-
flake Cracks, by A. G. Allianz Versicherungs
German, per, Der Maschinen Schaden, Vol. 30
No. S 1/2pp-s Feb 1957, 6 pp.
CIA X-7177

Jan 70]

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Operating of a Steam Turbine Motor
During the Overspeed Test in Consequence
of Snowflake Cracks.

GERMAN, par, Maschinenschaden, Vol XXX.
No 1/2, 1957, pp 12-17.

CSIRO

Sol. - Engr
May 62

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Trans. WATERS OF UNUSUAL CHEMICAL COMPOSITION
5351 A. Splittgerber
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 124 (1957)

Preventive Maintenance of Industrial Plant,
by H. Grothus.
GERMAN, per, Der Maschinenschaden, Vol 37,
No 4, 1964, pp 33-39.
BISI 6798

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GUTHRIE, per, Blanchenhaut, Vol V, 196,
pp 247-252.
NASS IT T-9352

Sed-Enger
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Theoretical and Experimental Investigation of
Air Ejectors, by R. Vogel.
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1956, pp 619-637.
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Schetelich, 8 pp.

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CIA/FDD X-2908

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Jun 58

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The Development of Exhaust-Driven Superchargers
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Republic, by G. Kuhn. UNCLASSIFIED

GERMAN, per, Maschinenbau Technik, No 10, 1957.

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EEur- Germany
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The Reasons for Knoco-Free Diesel Combustion,
I, by J. Bottger.

GERMAN, per, Maschinenbau Technik, Vol VII,
No 9, 1958, pp 482-486.

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Dec 62

Development of the Machine-Building Industry, by
H. Kroissl, (Wk Econ Rpt on EBar, 262).

GERMAN, for, Maschinenbau Technik, Vol VII, No 11.
Nov 1958, pp 569-572.

CIA/IDB Sum 2134

EBar - Germany
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(NY-2959).

Status of Development of the Czechoslovak Machine
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Berlin, 1959, pp 311-316.

JPRS-1938-N

EEur - Czech
Econ - Manufacturing, Machine Tools
Oct 59

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(NY-3510)

The Development of Machine-Building Since the
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H. Wunderlich, 11 pp.

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JPRS 2721

EEur-Germany

Econ-Manufacturing

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The Development of the Institute for Machine Tools,
Karl Marx-Stadt, by K. Glaeser, 7 pp.

GERMAN, per, Maschinenbautechnik, Vol. VIII, No 9,
Berlin, 1959, pp 463-465.

JPRS 2721

EEur-Germany

Econ-Manufacturing

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Technical Progress in the VEB "8 May" Large
Lathe Construction, Karl Marx-Stadt, by F. Stein,
13 PP.

GERMAN, per, Maschinenbautechnik, Vol. VIII, No 9,
Berlin, 1959, pp 467-472.

JPRS 2721

EEur-Germany

Econ-Manufacturing

Jun 60

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(NY-3510)

Automation of large Presses in the "Henry Pels"
VEB Press and Shearing Machine Plant, Erfurt, by
W. Ettlich, 7 pp.

GERMAN, per, Maschinenbautechnik, Vol. VIII, No 9,
Berlin, 1959, pp 473-475.

JPRS 2721

ESur-Germany

Econ-Manufacturing

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Five Years of Technical Progress in Diesel Engine,
Pump, and Compressor Production, G. P. Reichenow,
8 pp.

GERMAN, per, Maschinenbautechnik, Vol VIII, No 9,
Berlin, 1959, pp 475-477.

JPRS 2721

BLUR - Germany
Econ - Manufacturing
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(HT-3510).

The 8 NZD 72 Two-Stroke Engine, a New Development
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H. Janzen, 11. pp.

GERMAN, per, Maschinenbautechnik, Vol VIII, No 9,
Berlin, 1959, pp 478-481.

JPRS 2721

BBur - Germany
Econ - Manufacturing
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5th and 6th Plant in Halle--Yesterday, Today, and
Tomorrow, by H. Schmitt, 6 pp.

GERMAN, per, Maschinenbautechnik, Vol. VIII, No 9,
Berlin, 1959, pp 451-483.

JPRS 2721

ESur - Germany
Recon - Manufacturing
Jun 60

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(NY-1 3510)

Products of the "Karl Liebknecht" VEB Heavy Machine-
Building Are on the World Market Level, 26 pp.

GERMAN, per, Maschinenbautechnik, Vol VIII, No 9,
Berlin, 1959, pp 483-492.

JPRS 2721

Eur - Germany
Econ - Manufacturing
Jun 60

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(HY-3510).

Socialist Prospects and Reconstruction of the VVB
for Equipment for the Heavy Industry and Gear
Construction, Magdeburg, by E. Pasold, 8 pp.

GERMAN, per, Maschinenbautechnik, Vol VIII, No 9,
Berlin, 1959, pp 499-501.

JPRS 2721

EEur - Germany
Econ - Manufacturing
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"Ernst Thaelmann" Heavy Machine Building VEB,
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GERMAN, per, Maschinenbautechnik, Vol VIII, No 9,
Berlin, 1959, pp 502-504.

JPRS 2721

EEur - Germany
Econ - Manufacturing
Jun 60

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62-12194

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HYDROSTATIC CRANE DRIVING GEAR. [1961] 17p.
Order from STT \$8.00 STT-127-303

Trans. of Maschinenbautechnik (Germany) 1960, v. 9,
no. 6, p. 283-290.

DESCRIPTORS: *Hoists, *Gears.

I. Hennig, H. D.
II. STT-127-303
III. SCIENTECH, Scientific
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lations, Cleveland, Ohio

(Machinery-- Machine Parts, TT, v. 7, no. 5)

Office of Technical Services

Beyer, U. and Mammitzsch, H.
DIESEL ENGINES AT THE LEIPZIG SPRING FAIR
1960. [1961] 15p.
Order from STT \$8.00 STT-149-310

Trans. of Maschinenbautechnik (Germany) 1960, v. 9,
no. 7, p. 366-371.

DESCRIPTORS: *Diesel engines, Germany.

(Machinery--Engines, TT, v. 7, no. 4)

62-12188

- I. Beyer, U.
- II. Mammitzsch, H.
- III. STT-149-310
- IV. SCIENTECH, Scientific and
Technical Translations,
Cleveland, Ohio

Office of Technical Services

(NE-4774)

Tasks and Organization of the Technical-
Scientific Computer Section in the VEB for
Turbines and Generators, by H. Mudek, 9 pp.

GERMAN, per, Maschinenbautechnik, Vol IX, No 7,
1960, pp 371-373.

JPRS 7452

EEur - Germany
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Liebe, F.
EFFICIENCY OF SLIM TAPERED DIFFUSERS IN
TORSIONAL FLOW. [1961] 2bp.
Order from STT \$18.00

STT-154-299

Trans. of Maschinenbautechnik (Germany) 1960, v. 9,
no. 9, p. 405-412.

DESCRIPTORS: *Diffusers, Design.

- I. Liebe, F.
- II. STT-154-299
- III. SCIENTECH, Scientific and
Technical Translations,
Cleveland, Ohio

(Machinery, Fabrications and Accessory Equipment,
II, v. 7, no. 4)

Office of Technical Services

(NY 4940)

Pumps for Liquid Metals in Nuclear Engineering, by
R. Berndt, 15 pp.

GERMAN, per, Maschinenbautechnik, Vol. IX, No 8,
1960, pp 417-421.

JPRS 7597

EEur - Germany

Econ

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62-12184
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62-12187

Albrecht, D.
THE FIRST 100 MW TURBO SET IN THE GERMAN
DEMOCRATIC REPUBLIC (EASTERN GERMANY).
[1961] 10p.

Order from STT \$4.00 STT-127-315

Trans. of Maschinentechnik (Germany) 1960, v. 9,
no. 9, p. 432-436.

DESCRIPTORS: *Turbines, Design, East Germany.

(Machinery--Engines, TT, v. 7, no. 6)

- I. Albrecht, D.
- II. STT-127-315
- III. SCIENTECH, Scientific and
Technical Translations,
Cleveland, Ohio

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61-25673

Berg, G. F.
ELECTRO-HYDRAULIC REMOTE CONTROLS AND
THEIR SEQUENCE REGULATORS. [1961] 35p.
Order from STT \$25.00 STT-154-316

Trans. of Maschinenbautechnik (Germany) 1960, v. 9,
no. 9, p. 465-477.

DESCRIPTORS: *Control systems, *Electrical equip-
ment, *Remote control systems, Hydraulic systems.

- I. Berg, G. F.
- II. STT-154-316
- III. SCIENTECH, Scientific
and Technical Trans-
lations,
Cleveland, Ohio

(Machinery, Fabrications and Accessory Equipment,
T.T. v. 7, no. 4)

Office of Technical Services

Fleischer, C. and Gnilke, W.
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MON BEARINGS. [1961] 32p.
Order from STT \$15.00

STT-145-317

Trans. of Maschinenbautechnik (Germany) 1960, v. 9,
no. 9, p. 477-487.

DESCRIPTORS: *Bearings, Standards.

(Machinery--Machine Parts, TT, v. 7, no. 6)

62-12191

- II. Fleischer, C.
- III. Gnilke, W.
- III. STT-145-317
- IV. SCIENTECH, Scientific and
Technical Translations,
Cleveland, Ohio

Office of Technical Services

(DC-4968)

Tasks of the Machine Tool Industry in the East
German Development Program, by A. Dellheim, 10 pp.

GERMAN, per, Maschinenbautechnik, Vol. IX, No 10,
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JPRS 6611

Eber - Germany

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Marine Engine Construction of VEB Diesel Works
Rostock, by Chr. Fries, 4 pp.

GERMAN, per, Maschinenbautechnik, Vol IX, No 10,
1960, pp 516-523.

JPRS 6611

EEur - Germany

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Feb 61

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62-12189

Bohne, K.
THE STATE OF DEVELOPMENT IN THE CON-
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DEMOCRATIC REPUBLIC. [1961] 23p.
Order from STT \$10.00

STT-149-321

Trans. of Maschinenbautechnik (Germany) 1960, v. 9,
no. 12, p. 611-617.

DESCRIPTORS: *Diesel engines, Construction

I. Böhne, K.
II. STT-149-321
III. SCIENTECH, Scientific
and Technical Trans-
lations, Cleveland, Ohio

(Machinery--Engines, TT, v. 7, no. 4)

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Zuchau, H. and Klische, S.
A NUMBER OF EXAMPLES FOR THE USE OF
EPOXIDE RESINS IN THE CONSTRUCTION OF
FLOW MACHINES. [1961] 15p.
Order from STT \$6.00 STT-151-601

Trans. of Maschinenbautechnik (Germany) 1961, v. 10,
no. 2, p. 61-65.

DESCRIPTORS: *Epoxides, Epoxy resins, Machines,
Construction, Resins.

(Machinery, Fabrications and Accessory Equipment,
TT, v. 7, no. 6)

62-12200

- I. Zuchau, H.
- II. Klische, S.
- III. STT-151-601
- IV. SCIENTECH, Scientific
and Technical Trans-
lations, Cleveland, Ohio

Office of Technical Services

(NY-6299)

Cooperation Between Machine Building and the
Food Industry, by E. Kurpanek, 8 pp.

GERMAN, per, Maschinenbautechnik, Vol X, No 3,
1961, pp 113-115.

JPRS 9430

ESur - Germany

Econ

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Jul 61

Present Situation and Prospects of Processing-
Machine Building, by G. Trankner, 15 pp.

GERMAN, per, Maschinenbautechnik, Vol X, No 3, 1961,
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JPRS 9430

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E. MEIER, 20 PP.

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PP 362-366.

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FEB 62

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THE NEW TECHNOLOGY PLAN PAVES THE WAY FOR
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GERMAN, PER, MASCHINENBAU TECHNIK, VOL X,
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Production of Cogwheels Through Hot Rolling, by Janos
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Development of the Machine Tool Industry in the GDR,
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GERMAN, PER, MASCHINENBAUTECHNIK, VOL XII, NO 5,
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Non-Destructive Testing by Magnetic-
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Vol 13, No 9, 1964, pp 471-479.
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15 pp.

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A Supersonic Drilling Machine, by K. Wentwig, 3 pp.

GERMAN, per, Maschinenbau und Warmwirtschaft, Vol
IX, No 8, 1955, pp 234-235.

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Tendencies in the Development of Gas Turbines,
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The Mechanical Coupling Effect of Unilateral
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Components, by Hans Juergen Meyer.
GERMAN, per, Maschinenfabrik Augsburg-Nuernberg,
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Sci - Eng
Oct 67

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63-15069

INVESTIGATION OF BURNOUT IN BOILING WATER.
Quarterly rept. no. 2, pt. 1 (technical pt.) 1 Jan-31
Mar 62, on Contract 057-61-RDD. [1963] 12p.
Order from OTS or SLA \$1.60 EURAEC-303

Trans. of a rept. from Maschinenfabrik Augsburg-
Nürnberg AG, Nuremberg (West Germany) 16 Apr 62.

DESCRIPTORS: *Boiling, *Water, *Test equipment,
Pipes, Fluid flow, Power supplies, Thermocouples,
Measurement, Design, Construction.

The basic construction of the high-pressure piping and
apparatus for the experiment was concluded. The
measurement sections for the round, inside-cooled
tubes were constructed in detail. The project of the
measurement installation for determining the density
of wet steam mixtures at the inlet and outlet of the
(Nuclear Physics--Nuclear Engineering, TT, v. 10, no. 4)
(over)

1. Title: Burnout
1. EURAEC-303
2. European Atomic Energy
Community, Brussels
(Belgium)

Office of Technical Services

63-15071

INVESTIGATION OF BURNOUT IN BOILING WATER.
Quarterly rept. no. 3, pt. 1 (technical pt.) 1 Apr-
30 June 62, on Contract 057-61 RIDD. [1963] 7p.
Order from OTS or SLA \$1.10 EURAEC-404

Trans. of a rept. from Maschinenfabrik Augsburg-
Nürnberg AG, Nürnberg (West Germany) 30 June 62.

DESCRIPTORS: *Boiling, *Water, *Test equipment,
Pipes, Thermocouples, Surface temperature, Measure-
ment, Design, Construction.

The construction of the measurement sections and
mock-ups was continued and the current supply planned
for the measurement section was tested at 320 atm.
and 200°C. Preliminary tests were commenced for the
trial of a double thermocouple. For the analysis of the
available experimental results, a program was drawn
(Nuclear Physics--Nuclear Engineering, TT, v. 10, no. 4)
(over)

1. Title: Burnout
- I. EURAEC-404
- II. European Atomic Energy
Community, Brussels
(Belgium)

Office of Technical Services